

**Notice of Allowability**

Application No.

10/600,148

Applicant(s)

BEFFA, RAYMOND J.

Examiner

Art Unit

Patrick J. Assouad

2857

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE, Petition & IDS filed 2/4/05 and Term. Disclaimer accepted 2/23/05.
2. ☒ The allowed claim(s) is/are 1-19.
3. ☒ The drawings filed on 19 June 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |                                                                                                                                        |                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)                                                                       | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                                   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>2/4/05</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                             | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|                                                                                                                                        | 9. <input type="checkbox"/> Other _____.                                               |

  
2/27/05

## DETAILED ACTION

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 2/4/05 has been entered.

## REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

Applicant has filed an IDS with two new pieces of art for consideration: a) Beffa (US 6,788,993 B2); and b) Moon et al. (US 5,326,709). Beffa has effective priority to 2/17/97 and appears to have the same inventor/assignee as the instant claimed invention. Moon et al. has priority to 1992.

The instant claimed invention, most notably independent claims 1, 14 and 19, particularly refer to the following:

As per independent claim 1:

evaluating the data for each integrated circuit device of the integrated circuit devices to the data for manufacturing process data stored for each integrated circuit device;  
identifying integrated circuit devices having a process flow within the manufacturing process different from the process flow of the data stored of the integrated circuit device; and  
directing the integrated circuit devices identified as having a process flow within the manufacturing process different from the process flow of the data stored of the integrated circuit devices to another process.

As per independent claim 14:

evaluating data for each integrated circuit device of the integrated circuit device assemblies  
identifying any integrated circuit devices having undergone any manufacturing process  
different from the indicated manufacturing processes of the stored data for each integrated  
circuit device, subjecting to further processing the integrated circuit devices of the plurality of integrated  
circuit devices identified as having undergone a manufacturing process different from the  
indicated manufacturing processes of its stored data;

As per independent claim 19:

evaluating data for each integrated circuit device of the plurality of integrated circuit devices in  
each of the plurality of multi-chip modules identifying any multi-chip modules having  
integrated circuit devices having undergone a manufacturing process that is different from  
the desired manufacturing processes;  
redirecting any multi-chip modules identified as having integrated circuit devices having  
undergone the manufacturing process that is different from the desired manufacturing  
processes

Though newly cited Beffa does teach (e.g. see claims 1 and 3) a  
“manufacturing process for grouping a plurality of integrated circuit devices... and  
storing data in association with an individual identification code... wherein storing data  
comprises storing data indicating one or more semiconductor wafers... have been  
misprocessed,” he does not evaluate the data for each integrated circuit device and  
identify those devices having a process flow different from the process flow of the data  
stored therein, nor does he direct (or subject to further processing or redirect) the  
integrated circuit devices identified as having a process flow... different from the  
process flow of the data stored... to another process.

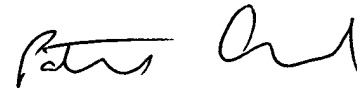
The claimed combination of process or method steps, most particularly the  
emphasized claimed steps above, are not suggested or disclosed, either alone or in  
combination, by any prior art of record, including newly cited Beffa and Moon et al.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick J. Assouad whose telephone number is 571-272-2210. The examiner can normally be reached on Tuesday-Friday, 6:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 571-272-2216. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Patrick J Assouad  
Primary Examiner  
Art Unit 2857